

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.
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CLIMATOLOGICAL DATA.

LOUISIANA SECTION.

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GENERAL SUMMARY.

The monthly mean temperatures were generally 1° to 4° below normal in the northern portion and mostly about normal in the southern portion, except along the coast and in the extreme eastern parishes, where they were 1° to 4° above normal. The means ranged from 43° in the extreme north to 60° in the vicinity of Southwest Pass. The highest temperatures, ranging from 72° to 84° , occurred mostly on the 4th or 19th. The lowest temperatures, ranging from 21° to 29° in the north and from 24° to 37° in the south, occurred mostly on the 2d or 12th.

The rainfall was above normal except for a slight deficiency in coast parishes in the southeastern portion. The monthly fall was mostly between 6 and 7 inches, except for 4 to 6 inches in much of the southeastern portion and less than 4 inches along the coast. The precipitation exceeded 6 inches in a few central localities. Nearly all of the latter half of the month, as well as the week of the 4th-10th, was rainy. The average number of rainy days, 13, is the greatest of record for a winter month, excepting December, 1911, with 14.

An excess of moisture and a noteworthy deficiency of sunshine made the month unfavorable for agricultural operations in general and only a small amount of outdoor work was accomplished. Sugar cane grinding was completed near the middle of the month. The dirt roads were in bad condition for hauling. No material damage resulted from frost and cold. Oats, hardy truck, and sugar cane were generally doing well. Strawberries developed somewhat too rapidly for the season.

R. A. D.

PRESSURE.

The average pressure, reduced to sea level, determined from the records of four Weather Bureau stations, was 30.13 inches. The highest recorded was 30.54 inches, at Shreveport, on the 24th; and the lowest was 29.47 inches at Vicksburg, on the 10th.

TEMPERATURE.

The monthly mean temperature, determined from the records of 44 stations, was 51.0° , which is 5.7° lower than the mean for January, 1921, and is 0.1° below normal. The highest temperature recorded, 84° , occurred at Jeanerette, Iberia Parish, on the 4th; and the lowest, 21° , occurred at Bastrop, Morehouse Parish, on the 2d.

PRECIPITATION.

The average precipitation, determined from 50 stations, was 5.96 inches, being 1.70 inches above the normal. The greatest monthly amount, 10.80 inches, occurred at Ludington, Beauregard Parish; and the least, 3.04 inches, occurred at Burrwood, Plaquemines Parish. The greatest amount in 24 hours, 2.95 inches, occurred at Grand Coteau, St. Landry Parish, on the 29th. The average number of days with 0.01 or more, was 13.

ERRATA.

Departure from the normal precipitation, March, 1921, page 10, Simmesport, published -5.33 , should be $+5.33$; April, 1921, p. 14, Vicksburg, published $+6.63$, should be $+6.33$; October, 1921, page 35, Jeanerette, published -0.95 , should be -1.95 ; November, 1921, p. 42, Robeline, published -0.88 , should be -0.08 ; November, 1921, p. 41, for the State -1.06 , should be -1.09 .

Total precipitation, September, 1921, pp. 34, 35, New Orleans No. 7, published 3.40, should be 3.48; departure from normal temperature, November, 1921, p. 42, New Iberia, published $+4.8$, should be $+4.0$; greatest precipitation in 24 hours, December, 1921, p. 46, Plain Dealing, published 0.50, should be 0.59.

MISCELLANEOUS PHENOMENA (Dates).

Thunderstorms.—Amite, 29, 30; Bastrop, 8; Grand Coteau, 5, 10, 29; Port Arthur, 29; St. Francisville, 29; Shreveport, 4, 10, 15, 16; Vicksburg, 10.

Fog, dense.—New Orleans, 8, 9; Vicksburg, 8, 9.

Halos, lunar.—New Orleans, 15, 16.

Killing frost or freezing temperature occurred to the coast except in some extreme southeastern localities south of Lake Pontchartrain, on the 2d, 12th, 13th, and 28th.

WIND.

Stations.	Total movement, miles.	Average hourly velocity.	Maximum vel.	Direction.	Date.
New Orleans.....	6,300	8.5	42	ne.	29
Port Arthur, Texas.....	8,841	11.2	37	nw.	10
Shreveport.....	5,943	8.0	27	w.	10
Vicksburg, Miss.....	8,341	11.2	37	nw.	10

HUMIDITY AND SUNSHINE.

Stations.	Relative Humidity (Per Cent).				Total sun-shine, hours.	Percent of possible sunshine.
	7 a. m.	7 p. m.	Monthly.	12 noon.		
New Orleans.....	86	81	84	74	116	36
Port Arthur, Texas.....	92	87	90	83	90	25
Shreveport.....	85	79	82	79
Vicksburg, Miss.....	89	84	86	84	84	27

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature.				Precipitation.			
	Mean.	Departure.	Maximum.	Minimum.	Mean.	Departure.	Greatest.	Least.
1891.....	49.3	+0.3	81	20	8.03	+2.50	13.60	8.20
1892.....	44.2	-4.8	79	9	5.96	+0.43	10.20	0.56
1893.....	48.7	-0.3	82	16	2.38	-3.15	4.15	1.00
1894.....	54.7	+3.4	83	12	4.00	-0.55	9.08	0.96
1895.....	49.7	-1.4	87	14	4.56	-0.06	9.45	1.81
1896.....	49.4	-1.5	83	14	3.21	-1.25	9.08	1.16
1897.....	47.5	-3.1	80	0	5.50	+0.94	12.20	1.88
1898.....	55.5	+4.0	87	12	6.32	+1.00	12.25	0.80
1899.....	49.9	-1.1	82	11	6.43	+1.59	14.01	1.00
1900.....	60.0	-1.1	79	12	4.77	-0.16	10.68	1.60
1901.....	63.0	+2.3	83	20	3.75	-1.28	6.51	0.72
1902.....	48.4	-2.3	84	10	1.84	-3.10	4.51	0.13
1903.....	48.8	-2.0	84	14	5.37	+0.47	9.76	2.54
1904.....	48.0	-2.8	80	10	2.92	-1.78	4.58	1.25
1905.....	45.5	-4.7	82	13	5.78	+1.13	8.40	2.75
1906.....	51.0	+0.8	85	14	3.20	-1.44	6.19	0.30
1907.....	60.7	+10.8	89	20	1.83	-2.69	4.45	0.55
1908.....	50.5	+0.1	85	17	3.80	-0.55	5.86	0.63
1909.....	54.7	+4.5	87	16	1.96	-2.47	4.21	0.24
1910.....	51.8	+1.6	85	13	3.28	-1.12	6.21	1.09
1911.....	58.8	+7.8	92	7	2.98	-1.39	7.80	0.31
1912.....	46.6	-3.9	89	10	4.69	+0.35	9.17	1.60
1913.....	55.7	+4.7	88	14	5.88	+1.68	11.10	0.50
1914.....	52.2	+2.9	92	21	1.05	-2.98	3.03	0.00
1915.....	48.1	-2.9	84	17	6.88	+2.24	11.10	2.24
1916.....	57.2	+6.4	87	14	6.83	+2.97	11.40	1.93
1917.....	54.8	+3.9	86	20	5.92	+1.80	10.90	1.11
1918.....	43.3	-7.8	81	3	4.38	+0.26	8.80	0.98
1919.....	48.7	-2.3	82	6	6.33	+1.97	8.89	3.19
1920.....	52.8	+1.6	88	20	6.73	+2.29	11.26	4.02
1921.....	56.7	+5.8	84	23	3.09	-1.27	6.62	1.03
1922.....	61.0	-0.1	84	21	5.96	+1.70	10.80	3.04

RIVERS.

Moderate stages prevailed in all rivers. A slight rise in the Mississippi and Atchafalaya Rivers crested on the 14th. The Mississippi at New Orleans averaged 2 feet above the normal stage for January.

